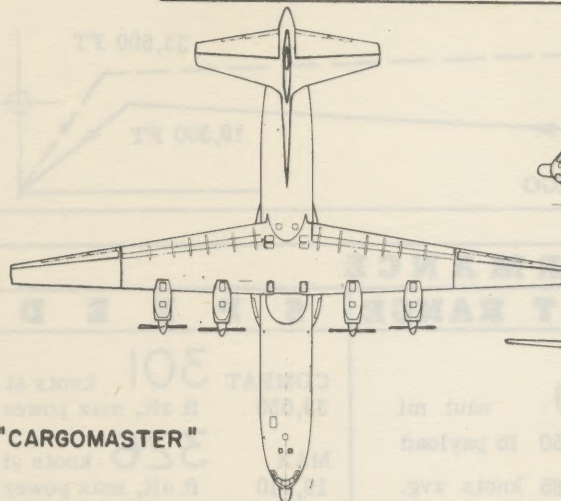
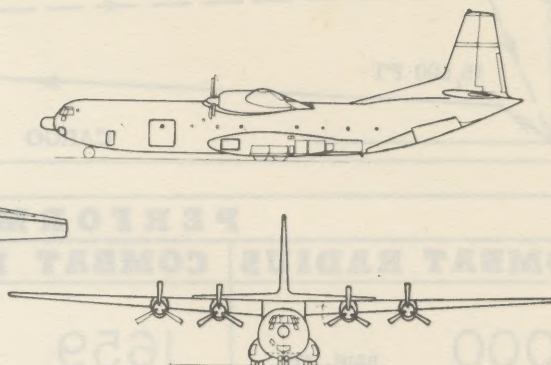


Characteristics Summary

CARGO C-133B



"CARGOMASTER"



DOUGLAS

Wing Area..... 2673 sq ft Length..... 157.5 ft
Span..... 179.7 ft Height..... 48.3 ft

AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

STATUS

- Design initiated (C-133A): Mar 53
- Mock-up (C-133A): Dec 53
- First flight (est): Nov 59
- First acceptance (est): Jan 60
- The C-133B differs from the C-133A by the incorporation of Pratt & Whitney T34-P-9W engines and clam-shell type aft cargo loading doors.

Navy Equivalent: None

Mfr's Model: 1430B

POWER PLANT

(4) T34-P-9W

Pratt & Whitney

ENGINE RATINGS

SLS-ESHP-SHP-LB-RPM-MIN

T.O: *7500-6950-1375-11,000-

2

T.O: 6500-5950-1370-11,000-

5

Mil: 6300-5750-1370-11,000-

30

Nor: 5650-5150-1250-10,750-

Cont

*Includes water injection

FEATURES

Large Missile Loading Capability
Truck Bed Height Loading
Aft Loading Door with Integral Ramp
Pressurized Airplane
Single Point Refueling
Thermal Cyclic Deicing (Wing)
Dual, Tandem, Main Landing Gear
Hi Pressure Pneumatic Boots (Empennage)

Max Usable Fuel Cap:
18,112 gal

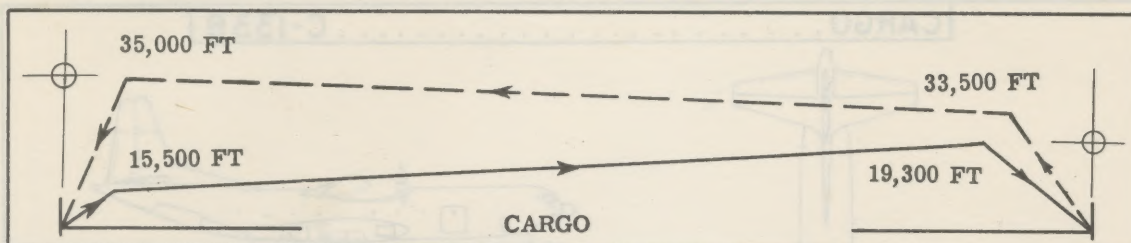
GENERAL

Crew (normal) 4
Pilot
Co-Pilot
Systems Engineer
Navigator
Relief Crew *3
Troops None
Litters None

Max Cargo . . **122,704 lb

*For long flights
**Limited by zero fuel

Characteristics Summary Basic Mission C-133B



PERFORMANCE

COMBAT RADIUS	COMBAT RANGE	S P E E D
1000 naut. mi with 110,650 lb payload at 282 knots avg. in 7.3 hours.	1659 naut. mi with 110,650 lb payload at 285 knots avg. in 5.9 hours	COMBAT 301 knots at 33,050 ft alt, max power MAX 326 knots at 19,310 ft alt, max power BASIC 324 knots at 25,000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
1175 fpm sea level, take-off weight military power	19,800 ft 100 fpm, take-off weight military power	ground run 5650 ft 6050 ft T.O. power (wet) T.O. power (dry)
3270 fpm sea level, combat weight military power	31,450 ft 500 fpm, combat weight military power	over 50 ft height 7465 ft 8130 ft T.O. power (wet) T.O. power (dry)
L O A D	W E I G H T S	S T A L L I N G S P E E D
Cargo: 110,650 lb	Empty..... 120,363 lb	110 knots power-off, landing config- uration, take-off weight
Fuel: 10,008 gal protected 0 % droppable 0 % external 0 % Density: lb/gal (6.5)	Combat... 152,350 lb Take - off 300,000 lb limited by gear strength See Note 1(b)	TIME TO CLIMB

N O T E S

- Performance Basis:
 - Estimated data based on flight test drag level.
 - Overload operation is at 300,000 lb take-off gross weight, limited by gear strength. Normal operation is at 286,000 lb take-off gross weight.
- Performance Reference: Douglas Long Beach Report Nr. LB-25904
"Substantiating Data for Standard Aircraft Characteristics Charts", dated 15 September 1958.
- Revision Basis: Initial Issue.

CAUTION: At weights above 286,000 lb, caution should be employed during ground handling operations.